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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 12115-3 (1987): Couplings for Disposal of Sewage Water for Inland Vessels, Part 3: Adapters (Flange/End Piece) [TED 18: Inland, Harbour Crafts and Fishing Vessels]

“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”



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Indian Standard

**SPECIFICATION FOR
COUPLINGS FOR DISPOSAL OF SEWAGE WATER
FOR INLAND VESSELS**

PART 3 ADAPTERS (FLANGE/END PIECE)

1. Scope — Lays down the requirements for adapters to connect the flange of the receiving pipe (of the port or collecting vessel) to the bush of the vessel disposing off sewage water for inland vessels.

2. Dimensions — The dimensions of the adapters and gasket shall be as given in Fig. 1 and 2 respectively.

3. Materials

3.1 The adapters shall be made from steel or any other equivalent material.

3.2 The gaskets shall be made of acid and alkali resistant soft rubber.

4. General Requirements

4.1 The limit deviations of dimensions and the surface roughness of adapters shall meet all the requirements to ensure leakproof joints.

4.2 The conventional pressure for adapters shall be 0.6 MPa (6 kgf/cm²).

5. Designation

5.1 The adapters shall be designated by the following:

- a) Name,
- b) Number of Indian Standard, and
- c) Group [B, for adapters (flange/end-piece) for sewage water].

Example:

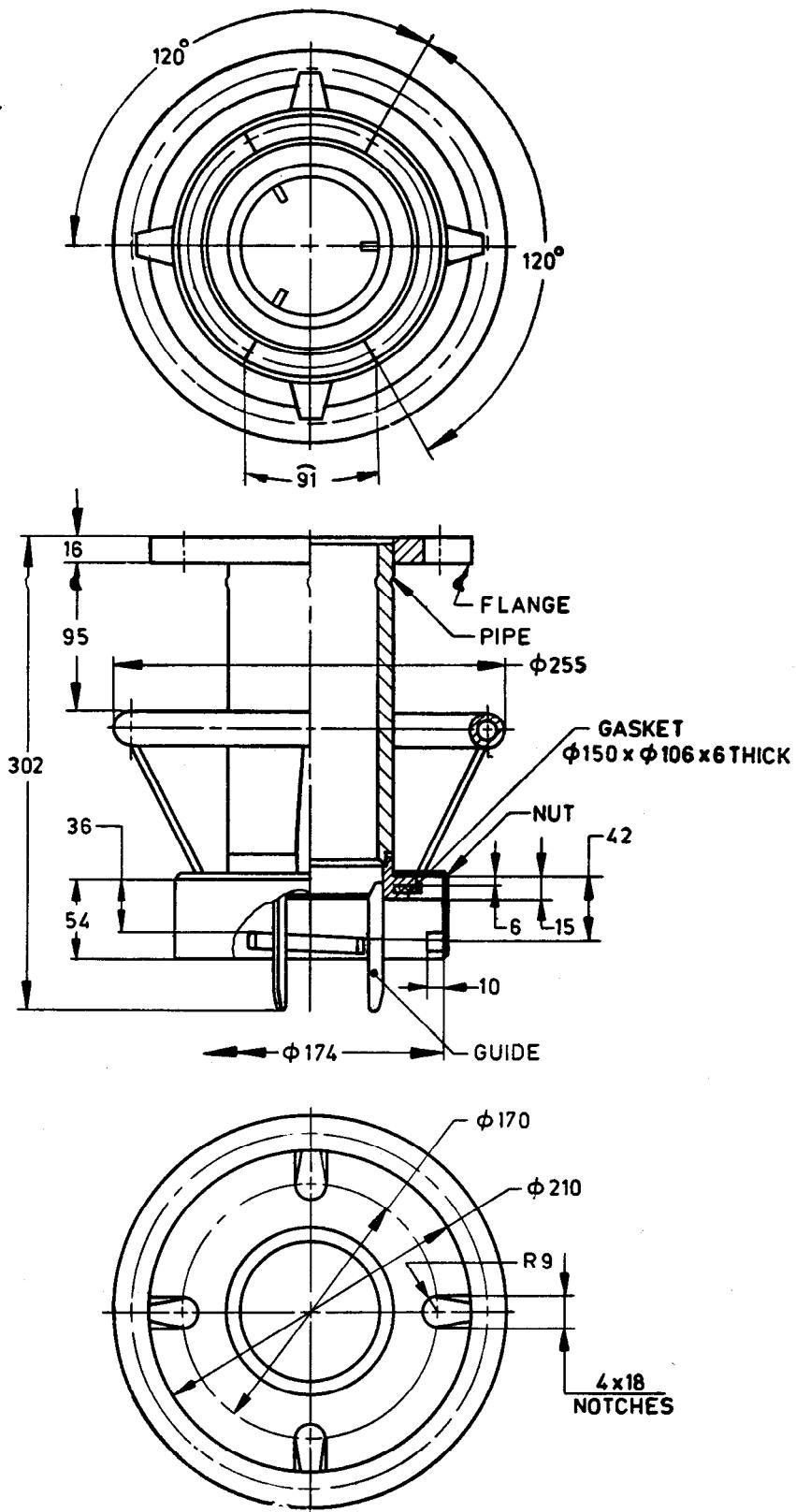
An adapter conforming to this standard shall be designated as follows:

Adapter IS : 12115 (Part 3)

6. Marking

6.1 The adapters shall be marked with manufacturer's name and designation.

6.1.1 *Standard marking* — Details available with the Bureau of Indian Standards.



All dimensions in millimetres.

FIG. 1 DN 100 ADAPTER OF TYPE 3 (FLANGE/END PIECE) FOR DISPOSAL OF SEWAGE WATER

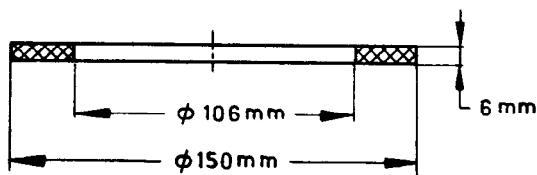


FIG. 2 DIMENSIONS FOR GASKET (DIA 150 X DIA 106 X 6 THICK)

EXPLANATORY NOTE

This standard lays down the requirements for couplings for disposal of sewage water used for inland vessels. The type of couplings is chosen depending upon the use of vessels and the system of polluted water under transfer and treatment adopted in its operational area.

This part of the standard deals with adapters to connect the flange of the receiving pipe (of the port or collecting vessel) to the bush of the vessel disposing off sewage water.

This standard is being issued in the following parts:

- Part 1 Flange couplings,
- Part 2 Quick-release couplings,
- Part 3 Adapter — Flange/end piece, and
- Part 4 Adapter — Flange/bush.

Notwithstanding what is stated in the standard, the rules and requirements laid down by Classification Societies and Statutory Authorities in all respect shall apply.

This standard is based on ISO 7608-1985 'Shipbuilding—Inland navigation—Couplings for disposal of oily mixture and sewage water', issued by the International Organization for Standardization (ISO). The ISO standard classifies couplings for disposal of sewage water under Group B and further sub-classifies adapters (flange/end piece) as Type 3. The same method of classification is used in this standard for the sake of uniformity.